

Mechatronics Designer

Join the Energy Revolution!

Are you passionate about driving the energy transition? At Cellcius, we are transforming how heat is stored and reused with our innovative salt-based heat battery technology. Founded in 2020 by TNO and TU/e, our Eindhoven-based startup is located at the TU/e campus, a hotspot for innovation and collaboration.

Our mission is to create a safe, sustainable and efficient solution for storing and reusing heat, enabling waste heat from industries or renewable energy sources to warm homes and commercial buildings. As we advance to the pilot phase of our Minimum Viable Product, we are looking for a talented **Mechatronics Designer** to help us drive this transformation forward.

Your Role

As a Mechatronics Designer, you will lead the development and integration of critical subsystems for our heat battery. Collaborating closely with system architects and R&D engineers, you will apply your expertise in sensing, control, electronics, and software to develop innovative solutions. You'll be responsible for translating high-level designs into fully operational systems and enjoy tackling challenges independently while bridging theory and practice.

Key Responsibilities

- Design and integrate mechatronic systems, including sensing, control, and software, for R&D projects.
- Implement and test high-level designs in collaboration with system architects, delivering complete solutions to pilot customers.
- Act as the in-house expert on sensing, control, and signal processing.
- Modify and maintain lab test setup software, collaborating with R&D partners to enhance system performance.
- Support R&D and manufacturing partners as well as pilot customers during implementation and commissioning phases.
- Act as “system owner” for assigned systems, ensuring they remain in a safe, clean, and well-documented state.

Your Profile

- A degree in Electrical Engineering or Mechatronics (MBO or higher).
- Strong system-level thinking, with attention to detail and ability to negotiate with architects and suppliers.
- Self-starter, fast learner, and independent problem solver.
- Enthusiastic about bridging theory with practical, hands-on solutions.
- Experience with HVAC system design and commissioning is a strong preference.
- Proficient in Dutch and English (written and spoken).

What We Offer

- A dynamic startup environment with significant opportunities to shape your role.
- Collaboration with a driven and innovative R&D team.
- Market-competitive salary with access to our stock options and shares plan.
- Freedom to contribute your ideas and expertise to advance groundbreaking technology.
- Competitive primary and secondary employment conditions.

Ready to Join Us?

If this opportunity excites you, send your CV and motivational letter to HR@cellcius.com.